PCT	For receiving Office use only		
	International Application No.		
DEOUEST			
REQUEST	International Filing Da	te	
	International Timing Da		
The undersigned requests that the present			
international application be processed according to the Patent Cooperation Treaty.	Name of receiving Off	ice and "PCT International Application"	
according to the rate of cooperation recaty.	Applicant's or agent's file reference (if desired) (12 characters maximum) 60883PCT/3.2201		
Box No. I TITLE OF INVENTION	1,3		
ARYL-SUBSTITUTED BENZO[D]ISOTHIAZOL-3-YLAN	MINE ANALOGUES		
Box No. II APPLICANT This pers	son is also inventor		
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of	ity, full official designation.	Telephone No.	
Box is the applicant's State (that is, country) of residence if no State of reside	ence is indicated below.)	(203) 488-2801	
NEUROGEN CORPORATION 35 Northeast Industrial Road		Facsimile No.	
Branford, CT 06405		203) 488-4710	
United States		Teleprinter No.	
		Applicant's registration No. with the Office	
Seed of the state	State (that is sound	-) of socidence:	
State (that is, country) of nationality: US	State (that is, countr		
This person is applicant for the purposes of: all designated States all designated States.		the United States of America only the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (F	URTHER) INVENTO	R(S)	
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residence	f the address indicated in this	This person is:	
BLUM, Charles A.		applicant only	
785 W. Pond Meadow Road Westbrook, CT 06498		applicant and inventor	
United States	•		
		Applicant's registration No. with the Office	
State (that is, country) of nationality: US	State (that is, count	ry) of residence:	
	ated States except d States of	the United States of America only the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated	ated on a continuation sl	neet.	
Box No. IV AGENT OR COMMON REPRESENTA	TIVE; OR ADDRESS	FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to the applicant(s) before the competent International Authorit		agent common representative	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of co		Telephone No. (617) 439-4444	
ALEXANDER, Ph.D., John B.		Facsimile No.	
EDWARDS & ANGELL, LLP P.O. Box 55874		(617) 439-4170	
Boston, MA 02205 United States		Teleprinter No.	
		Agent's registration No. with the Office	

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

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\n.	PET NO.	_

Continuation of Box No.	Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub	If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) ZHENG, Xiaozhang 10 Roby, Court Branford, CT 06405 United States		This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality: CHINA State (that is, country) US			y) of residence:	
This person is applicant	all designated all designated States all designated the United S	ed States except States of	the United States the States indicated of America only the Supplemental	
The address must include postal	name followed by given name; for a legal ent code and name of country. The country of is, country) of residence if no State of residenc	the address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality: State (that is, country) of residence:				
This person is applicant for the	all designated all designated States all designated	ted States except States of	the United States the States indicated in the Supplemental	
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This person is applicant for the	all designated all designated States all designated the United	ated States except States of	the United States of America only the States indicated in the Supplemental	
The address must include posta	name followed by given name; for a legal ei al code and name of country. The country of i is, country) of residence if no State of residen	f the address indicated in th		
State (that is, country) o	f nationality:	State (that is, cou	ntry) of residence:	
This person is applicant for the		ated States except d States of	the United States of America only the States indicated in the Supplemental	
Further applicants	s and/or (further) inventors are indic	cated on another contir	nuation sheet.	

Supplemental Box If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. III" or "Continuation of Boxes No. III and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box VI.
- If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other patent grant and the date of grant of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49.bis.1(d)).

Continuation of Box IV:

CONLIN, David G. NEUNER, George BUCKLEY, Linda M. CORLESS, Peter F. MANUS, Peter J. DALEY, Jr., William J. BUCHANAN, Robert L. O'DAY, Christine C. HAZZARD, Lisa S. TUCKER, David A. HARTNELL III, George W. ALEXANDER, John B. JENSEN, Steven M. PIFFAT, Kathryn A. ROOS, Richard J. MANSO, Peter J. REES, Dianne M. GITTEN, Howard M. PENNY, Jr., John J. KONIECZNY, J. Mark ROSENFIELD, Jennifer K. BUTLER, Gregory B. KRAMER, Barry WOFSY, Scott D. CHACLAS, George N. NEWMAN, Richard H. SILVIA, David J. HEUSCH, Marina I. LAURO: Peter C. KITCHELL, Barbara HSI, Jeffrey D. MAKARY, Meghan M.

The above attorneys are all members of the firm: EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, Massachusetts 02205

Sheet	NI.	4
Sheet	No.	

Box No.V DESIGNATI	Box No.V DESIGNATIONS			
The filing of this request conternational filing date, for and national patents.				
However,				
	signated for any kind of na	•		·
	is not designated for any ki	•		
	is not designated for any k	•		
(The check-boxes above mo effect, under the national lo to the consequences of such	ny be used to exclude (irrev nw, of an earlier national ap n national law provisions in	ocably) the designations plication from which pri these and certain other S	concerned in order to fority is claimed. See the States.)	avoid the ceasing of the ne Notes to Box No. V as
Box No. VI PRIORITY C	LAIM			
The priority of the following	g earlier application(s) is he	ereby claimed:		
Filing date	Number	WI	here earlier application	is:
of earler application (day/month/year)	of earlier application	national application: country or Member	regional application:* regional Office	international application: receiving Office
item (1) 10/07/2003	60/485,958	US		
item (2)				
,				
item (3)				
		<u></u>	1	·
Further priority claim	s are indicated in the Supple	emental Box.		
The receiving Office is application(s) (only if the is is the receiving Office) ide	requested to prepare and earlier application was filed ntified above as:	transmit to the Interna I with the Office which for	ational Bureau a certification of the purposes of this in	ied copy of the earlier international application
all items 🔀 it	em (1) item (2	2) item (3	3) other, s	ee Supplemental Box
* Where the earlier applicate Industrial Property or one M	ion is an ARIPO application, i ember of the World Trade Org	ndicate at least one countr anization for which that ea	y party to the Paris Conv	ention for the Protection of (Rule 4.10(b)(ii)):
Box No. VII INTERN	ATIONAL SEARCHING	AUTHORITY	····	
Choice of International carry out the international	Searching Authority (ISA) search, indicate the Author) (if two or more Intern rity chosen; the two-lette	ational Searching Auth r code may be used):	norities are competent to
ISA/EP				
Request to use results of from the International Sea	earlier search; reference t erching Authority):	to that search (if an ear	lier search has been ca	rried out by or requested
Date (day/month/year) Number Country (or regional Office)				
Box No. VIII DECLARATIONS				
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations				
Box No. VIII (i) Declaration as to the identity of the inventor :				
Box No. VIII (ii)	Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent			
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application				
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):				
Box No. VIII (v) . Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:				

Box No. IX CHECK LIST; LANGUAGE OF FILING				
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate right column the number of each item):	ng Number of items		
request (including declaration sheets) : 5	fee calculation sheet original separate power of attorney			
description (excluding	3. original general power of attorney	:		
sequence listing and/or tables related thereto) : 56	4. copy of general power of attorney; reference number	if		
claims : 7	any:	:2		
abstract : 1	5. statement explaining lack of signature	:		
drawings :	6. priority document(s) identified in Box No. VI as	j		
Sub-total number of sheets 69 sequence listing :	item(s): 7. translation of international application into (language):			
tables related thereto (for both, actual number	8. separate indications concerning deposited microorga other biological material			
of sheets if filed in paper form, whether or not also	9. sequence listing in computer readable form (indicate type and number of carriers)			
filed in computer readable form; see (c)	(i) copy submitted for the purposes of international sea Rule 13ter only (and not as part of the international	rch under application):		
Total number of sheets : 69 (b) only in computer readable form	(ii) ☐ (only where check-box (b)(i) or (c)(i) is marked in least additional copies including, where applicable, the copurposes of international search under Rule 13ter	eft column) opy for the :		
(Section 801(a)(i)) (i) ☐ sequence listing	(iii) together with relevant statement as to the identity of or copies with the sequence listing mentioned in lef	f the copy		
(ii) ☐ tables related thereto (c) ☐ also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence (indicate type and number of carriers)			
(i) sequence listing (ii) tables related thereto	(i) ☐ copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)			
Type and number of carriers		rked in left		
(diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)			
sequence listing: tables related thereto:	(iii) together with relevant statement as to the identity of the copy			
(additional copies to be indicated under	11. other (specify):			
items 9(ii) and/or 10(ii), in right column)				
Figure of the drawings which should accompany the abstract:				
	AGENT OR COMMON REPRESENTATIVE			
Next to each signature, indicate the name of the person sign	ning and the capacity in which the person signs (if such capacity is not obvious f	rom reading the request).		
(There on (Xing Xx			
Charles A. BLUM Xia	ozhang ZHENG John B. ALEXANDER, A	gent for Applicant		
For receiving Office use only				
1. Date of actual receipt of the purported		2. Drawings:		
international application:	international application:			
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:				
4. Date of timely receipt of the required corrections under PCT Article 11(2):		not received:		
5. International Searching Authority (if two or more are competent): ISA/	6. Transmittal of search copy delayed until search fee is paid			
For International Bureau use only				
Date of receipt of the record copy by the International Bureau:				

This sheet is not part of and does not count as a sheet of the international application.

PCT	<u> </u>	For receiving	Office use only	
FEE CALCULATION SHEET				
Annex to the Request	Internation	al Application No.		
Applicant's or agent's file reference 60883PCT/3.220	1 Date stamp	o of the receiving Of	fice	
Applicant				
NEUROGEN CORPORATION		·		
CALCULATION OF PRESCRIBED FEES	, <u>, , , , , , , , , , , , , , , , , , </u>			
1. TRANSMITTAL FEE	L	300.	00 T	
2. SEARCH FEE				
3. INTERNATIONAL FILING FEE				
Where item (b) and/or (c) of Box No. IX apply, where item (b) and (c) of Box No. IX do not app			-	
il first 30 sheets	1,13-	4.00 i1		
number of sheets in excess of 30 x 12.00	neet = 46	8.00 i2		
additional component (only if sequence lis thereto are filed in computer readable form or both in that form and on paper, under Se				
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Add amounts entered at i1, i2 and i3 and enter to	1	1,602.00 I		
(Applicants from certain States are entitled international filing fee. Where the applicant is	to a reduction of 75% of or all applicants are) so en	of the titled,		
4. FEE FOR PRIORITY DOCUMENT (if applicate	ble) L	20	0.00 P	
5. TOTAL FEES PAYABLE Add amounts entered at T, S, I and P, and enter	total in the TOTAL box	TOTAL	842.00	
MODE OF PAYMENT				
authorization to charge postal m	oney order ash		coupons	
☑ cheque ☐ bank dra	ift revenue	stamps 🔲 d	other (specify):	
AUTHORIZATION TO CHARGE (OR CREDI (This mode of payment may not be available at all		Receiving Office:	US	
Authorization to charge the total fees indicated	i above.	Deposit Account N		
(This check-box may be marked only if the con accounts of the receiving Office so permit) Au deficiency or credit any overpayment in the to	ditions for deposit thorization to charge any tal fees indicated above.	Date:	09 July 2004 ohn B. Alexader, Ph.D.	
Authorization to charge the fee for priority do		Signature:	XXXIOC	
Form PCT/RO/101 (Annex) (January 2004) LegalStar 2004, Form PCTREQ			See Notes to the fee calculation shee	